April 29, 2013

Stephanie Vaughn, Project Manager
USEPA Region 2
290 Broadway, 19th Floor
New York, New York 10007

Subject: ***River Mile 10.9 Characterization QAPP Addendum D***
          Sediment and Pore Water Data Submission
          Lower Passaic River Study Area (LPRSA)
          River Mile (RM) 10.9 Removal Action (RA)
          CERCLA Docket No. 02-2012-2015

Dear Ms. Vaughn:

Enclosed please find a supplemental electronic data submittal for validated sediment and pore water sampling results associated with the RM 10.9 RA characterization and design activities for the Lower Passaic River Study Area. Data in this submittal include final validated field (sediment) and laboratory-generated (pore water & treated sediment) sample results as well as associated laboratory QC results.

The validated data zip archive file comprising this deliverable (LPR20130425.NJD980528996.zip) contains the following individual text files:

- LPR20130425.NJD980528996.Batch_v3.txt
- LPR20130425.NJD980528996.DataProvider_v3.txt
- LPR20130425.NJD980528996.Location_v3.txt
- LPR20130425.NJD980528996.Sample_v3.txt
- LPR20130425.NJD980528996.Site_v3.txt
- LPR20130425.NJD980528996.TestResultQC_v3.txt

This submittal represents a complete validated data set for samples associated with the RM 10.9 RA characterization and design activities (RM 10.9 Characterization QAPP Addendum D).

If you have any questions regarding this data submittal please contact me at 651-842-4232 or mkill@ddmsinc.com.

Sincerely,

de maximis Data Management Solutions, Inc.

Mark D. Kill
CPG Data Manager

/mdk

ddms

Attachment: Zip file with validated results MEDD

cc: Bill Potter – *de maximis, inc.*
        Rob Law – *de maximis, inc.*

ddms

The following is a list of reference values to be added to the EPA database.

Table	Column	Value	Description
Sample_v3.txt, TestResultQC_v3.txt	sample_matrix_code, lab_matrix_code	WPR	Pore Water (reference value from normal EPA R2 format but not found in LPR-specific format)
Sample_v3.txt	sample_matrix_code	SET	Sediment - Treated
Sample_v3.txt	sample_type_code	PS	Post-preparation spike
TestResultQC_v3	cas_rn	65794-96-9	3&4-Methylphenol
TestResultQC_v3	cas_rn	CORROS	CORROSIVITY (in EPAR2 standard list)
TestResultQC_v3	cas_rn	FLASHPT	FLASH POINT (in EPAR2 standard list)
TestResultQC_v3	cas_rn	CN-NA	Cyanide, Non-Amenable
TestResultQC_v3	cas_rn	12789-03-6	GAMMA-CHLORDANE (in EPAR2 standard list)
TestResultQC_v3	cas_rn	CNA	CYANIDE, AMENABLE TO CHLORINATION (in EPAR2 standard list)
TestResultQC_v3,	detection_limit_unit	deg f	Degrees Fahrenheit (in EPAR2 standard list)
TestResultQC_v3, Batch_v3	lab_anl_method_name	SW6010C	INDUCTIVELY COUPLED PLASMA-ATOMIC EMISSION SPECTROMETRY METHOD C (in EPAR2 standard list)
TestResultQC_v3, Batch_v3	lab_anl_method_name	SW9034	SULFIDES (in EPAR2 standard list)
TestResultQC_v3, Batch_v3	lab_anl_method_name	SW1010	FLASH POINT (CLOSED CUP TESTER) (in EPAR2 standard list)
TestResultQC_v3, Batch_v3	lab_anl_method_name	E335.1	CYNAIDES, AMENABLE TO CHLORINATION (TITRIMETRIC; SPECTROPHOTOMETRIC) (in EPAR2 standard list)
TestResultQC_v3	lab_name_code	TAI-CAN	TEST AMERICA INC. NORTH CANTON (in EPAR2 standard list)
Sample_v3	sample_type_code	TP	Treatment performance sample
Sample_v3	sample_type_code	TPD	Treatment performance duplicate sample

The following errors generated by the EDP EDD checking software are not actually errors:

Table	Column	Error	Description
Location_v3.txt	alt_identifier	Missing required field	This field is not required in the schema. Documentation of the MEDD format says to leave blank
Location_v3.txt	Latitude, Longitude, Surf_elev, horz_collect_method_code, horz_accuracy_value, horz_accuracy_unit, horz_datum_code	Missing required field	Pore water samples were composited from water centrifuged from multiple sediment cores within the River Mile 10.9 Removal Area. No coordinates are available for these samples at this time.
TestResultQC_v3.txt	detect_flag	Result_value is required where detect_flag=Y.	This error message exists in cases of co-eluting PCB congeners. Each PCB congener result is being stored as a separate record in the CPG database. In cases of co-elutions, per EPA request, only the congener with the lowest IUPAC number receives a result value. Both records receive a qualifier of "C" plus the IUPAC number of the lowest number congener in the co-elution to indicate the linkage between the two result records.

Table	Column	Error	Description
TestResultQC_v3.txt	interpreted_qualifiers	Invalid Qualifier	Field contains original laboratory qualifiers (for lab QC results) or qualifiers indicate PCB co-elution. Lab qualifiers were transferred to interpreted_qualifiers field for lab QC data which does not receive validation. 'C###' qualifiers, which indicate PCB congener co-elutions, were also passed through to interpreted_qualifiers per previously agreed upon protocol.